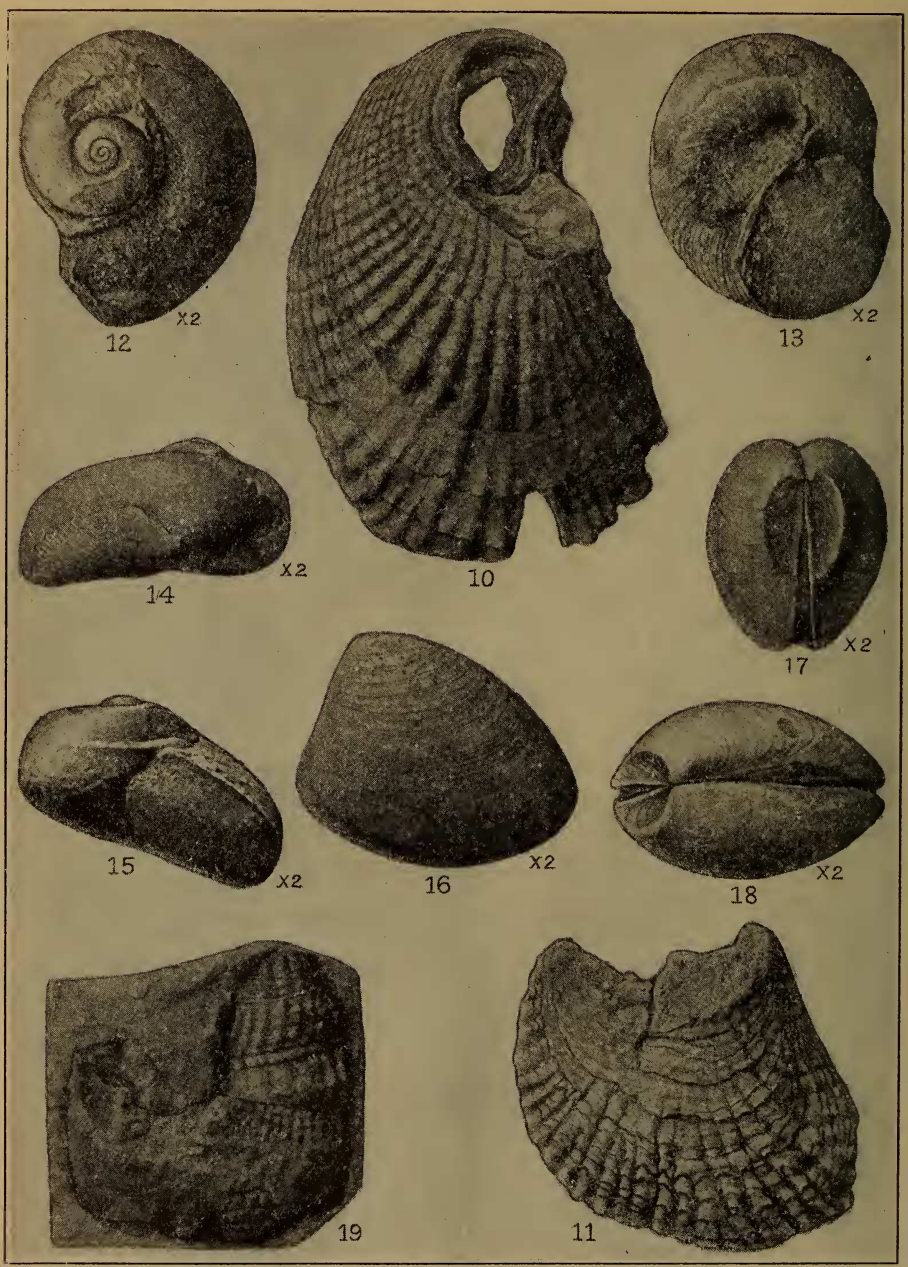

Figures 10–19. 10–11, *Ostrea gillulyi;* 12–15, *Gyrodes johnsoni;* 16–18, *Nucula weldensis:* 19, *Anchura? forresteri*

Figures 16–18. *Nucula weldensis* Reeside, n. sp., right, posterior, and top views (×2) of the type, a complete shell. Same locality as Figs. 7–9. (p. 307.)

Figure 19. *Anchura? forresteri* Reeside, n. sp., plaster cast from the type, a mould from the basal part of the beds of Colorado age at Black Bluff, Utah. (p. 310.)

RADIOGEOLOGY.—*The radium content of Stone Mountain granite.*[1]

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This paper refers to the first measurements by the author, of what is intended to be a comprehensive study of the radium content of the various classes of rocks of the Earth's structure. It is of a preliminary and introductory nature only. A paper describing in detail the apparatus and technique used and the results obtained from a study of several rocks will be published shortly.

DESCRIPTIVE

The sample used was a gray biotite-muscovite granite from Stone Mountain, Georgia, and was a part of the same block as used by Day, Sosman and Hostetter[2] in their determination of densities at high temperatures.

The density of this material at 25° is 2.633 and the chemical composition as determined by Packard[3] is as follows:

ANALYSIS, NORM, AND MODE OF STONE MOUNTAIN GRANITE

SiO_2	71.66
Al_2O_3	16.05
Fe_2O_3	0.86
FeO	Not determined
MgO	0.17
CaO	1.07
Na_2O	4.66
K_2O	4.92
H_2O+	1.00

NORM[3]		MODE[4]	
Quartz	22.80	Quartz	20
Orthoclase	28.91	Microcline	40
Albite	39.30	Plagioclase $Ab_{85}An_{15}$	30
Anorthite	5.28	Mica, nearly all muscovite	10
Corundum	1.12		
Hypersthene	1.72		

[1] Received March 14, 1928.

[2] ARTHUR L. DAY, R. B. SOSMAN and J. C. HOSTETTER. Am. Journ. Sci. **37**: 1–39. 1914. Also Neues Jahrb. Beil. Bd. **40**: 119–162. 1915.

[3] H. S. WASHINGTON. *Chemical analyses of igneous rocks.* U. S. Geol. Survey, Prof. Paper **99**: Analysis No. 51, p. 173. 1917.

[4] L. H. ADAMS and E. D. WILLIAMSON. *The compressibility of minerals and rocks at high pressures.* Journ. Frank. Inst. **195**: 483. 1923.